

CURRICULUM VITAE

LUIGI ORSENIGO

Name: LUIGI ORSENIGO
Birthdate: 9/26/1954
Birthplace: Milan, Italy
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Education

Summa cum Laude Degree in Economic and Social Disciplines, Bocconi University, Milan, 1982.

Italian Ph.D. in Economics, 1988

Ph.D. in Science and Technology Policy, Science Policy Research Unit, University of Sussex, Brighton, U.K., 1989

Employment

Professor of Applied Economics, IUSS (University Institute of Advanced Studies), Pavia, since November 2011

Professor of Economics, The Open University, Milton Keynes, UK, April 2007- March 2008

Full Professor of Industrial Economics, Faculty of Engineering, Dpt. of Industrial and Mechanical Engineering, University of Brescia, Italy, 2001- present

Contract Professor, Department of Economics, Bocconi University, Milan, Italy 2001 - present

Associate Professor of Economic Policy, Department of Economics, Bocconi University, Milan, 1992 - 2001

Assistant Professor, Department of Economics, Bocconi University, Milan, 1989 - 1992.

Contract Professor, Department of Economics, Bocconi University, 1987 - 1989.

Contract Professor, University of Brescia, Department of Mechanical Engineering, 1986-87.

Contract research activities carried out at the Department of Economics, Bocconi University, 1987-88.

Junior Researcher at the Istituto per la Ricerca Sociale, Milano (1980-82).

Visiting Appointments:

ESRC- Honorary Fellow, School of Social and Political Studies, University of Edinburgh, 2004 –

2012

Visiting Fellow, The Open University, 2004-2009

Visiting Professor, Department of Economics, Université de Paris XIII, June- July 2001.

High-Level Visiting Researcher, INRA-SERD, Université Pierre Mendès-France, Grenoble. June-September, 1997 (Grant by the French Ministry of Education and Research for “high level researchers”)

Visiting Scholar, Center for Economic Policy Research, Stanford University, July-August 1996

Visiting Scholar, International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria (June-July 1994).

Visiting Scholar, Merit, University of Limburg, Maastricht, The Netherlands (April-May 1994)

Visiting Scholar, Santa Fe Institute, Santa Fe, NM. (June 1993)

Awards

Schumpeter Prize 2012

Best accepted papers, "Spinoffs in different contexts: Theory and empirical evidence", (with G. Capone and F. Malerba), 2013 Academy of Management Meeting, August 9-13, Lake Buena Vista (Orlando), Florida.

Editorial Appointments

Co- editor, *The Journal of Evolutionary Economics*

Advisory Editor, *Research Policy*

Associate Editor, *Industrial and Corporate Change*

Reviewer:

Academy of Management Journal, Cambridge Journal of Economics, Economic Geography, European Economic Review, ESRC, Economics of Innovation and New Technologies, Industrial and Corporate Change, Journal of Artificial Societies and Social Simulation, Journal of Economic Behavior and Organization, Journal of Evolutionary Economics, Labour, Manchester School, National Science Foundation (USA), Regional Studies, Research Policy, Review of Industrial Organization, Small Business Economics, Strategic Management Journal, Structural Change and Economic Dynamics, Technovation, World Patent Information

Society Membership

Società' Italiana degli Economisti

International J.A. Schumpeter Society

Main areas of expertise

Economics of innovation and technological change, industrial organization and industrial dynamics,

evolutionary economics, pharmaceutical and biotechnology industry, science and technology policy, industry-university relations, networks of collaboration among firms

Research and policy advisory activities

Collaboration and advisory activities with several Italian and international governmental bodies and institutions, including the Commission of European Communities, OECD, WIPO, WHO, UNIDO as well as non-governmental institutions and firms in Europe, USA and Asia.

PUBLICATIONS

Books

1. "*Innovation and the Evolution of Industries: History Friendly Models*" (with F. Malerba, R. Nelson and S. Winter), Cambridge University Press, forthcoming
2. "*Leveraging Science for Innovation. Swedish Policy for University-Industry Collaboration*, (with M. Jacob), 1990-2005", SNS, Stockholm, 2007
3. "*The Economics of Biotechnology*", (with M. Mc Kelvey (eds.)), Edward Elgar, Cheltenham, 2006
4. "*The Emergence of Biotechnology. Institutions and Markets in Industrial Innovation.*", Pinter Publishers, London, 1989.

Articles in Refereed Journals

1. "The Evolution of the Pharmaceutical Industry" (with F. Malerba", *Business History*, Special Issue on "Making Sense of Today's Structures, by Re-introducing Evolutionary (and Institutional) Theory to Business History", 2014, forthcoming
2. 'A Simulation Model of the Evolution of the Pharmaceutical Industry', (with C. Garavaglia, F. Malerba and M. Pezzoni), *Journal of Artificial Societies and Social Simulation*, 2013.
3. "Spinoffs in different contexts: Theory and empirical evidence" (with G. Capone and F. Malerba), *Best Paper Proceedings of the 2013 Academy of Management Meeting*, 2013, forthcoming
4. "Are Switching Costs Always Effective in Creating First Mover Advantage? The Moderating Role of Demand and Technological Regimes." (with G. Capone and F. Malerba), *Long Range Planning*, 2013, forthcoming
5. Innovation and market structure in the evolution of the pharmaceutical industry: a history friendly model", (with C. Garavaglia, F. Malerba and M. Pezzoni), *Journal of Economics and Statistics*, forthcoming, 2013
6. "Technological regimes and demand structure in the evolution of the pharmaceutical industry" (with C. Garavaglia, F. Malerba and M. Pezzoni), *The Journal of Evolutionary Economics*, 2012
7. "User-producer relations, innovation and the evolution of market structures under alternative contractual regimes" (with F. Malerba), *Structural Change and Economic Dynamics*, 2010
8. "In Defence of the Linear Model: An Essay" (with M. Balconi and S. Brusoni), *Research*

- Policy*, 2010.
9. "Technological Revolutions and the Evolution of Industrial Structures. Assessing the Impact of New Technologies upon Size, Patterns of Growth and Boundaries of Firms", (with G. Dosi, A. Gambardella, M. Grazzi), *Capitalism and Society*, Berkeley Electronic Press, 2008.
 10. "Editorial", *International Journal of Biotechnology*, Special Issue on The Evolution of the Life Science Industries (ed. with J. Tait), 2008.
 11. "Special Issue on The Evolution of the Life Science Industries (ed. with J. Tait), *International Journal of Biotechnology*, 2008
 12. "Public Policies and Changing Boundaries of Firms in a "History Friendly" Model of the Co-Evolution of the Computer and Semiconductors Industries" (with F. Malerba, R. Nelson and S. Winter), *Journal of Economic Behaviour and Organisation*, 2008
 13. "The Italian Connection: the origins of Giovanni Dosi's thinking and a note on some lost, or never written, manuscripts (with L. Marengo), *Industrial and Corporate Change*, 2008
 14. "A History-Friendly Model of the Co-Evolution of the Computer and Semiconductor Industries: Capabilities and Technical Change as Determinants of the Vertical Scope of Firms in Related Industries" (with F. Malerba, R. Nelson and S. Winter), *Industrial and Corporate Change*, 2008
 15. "A Critical Assessment of Regional Innovation Policy in Pharmaceutical Biotechnology" (with A. Rosiello), *European Planning Studies*, 2008 , pp. 337 – 357
 16. "Testing Gibrat's Law: A Bayesian Approach to the Study of Firms' Growth " (with E. Cefis and M. Ciccarelli), *Structural Change and Economic Dynamics*, 2007
 17. "Demand, Innovation and the Dynamics of Market Structure: the Role of Experimental Users and Diverse Preferences" (with F. Malerba, R. Nelson and S. Winter), *The Journal of Evolutionary Economics*, 2007
 18. "The International AIDS Vaccine Initiative (IAVI) in a Changing Landscape of Vaccine Development: A Public – Private Partnership as Knowledge Broker and Integrator" (with J. Chataway, S. Brusoni, E. Cacciatori and R. Hanlin), *European Journal of Development Research*, 2007
 19. "History Friendly" Models of Industrial Evolution: Aims, Applications and Pitfalls, *Revista de Economia*, 2003.
 20. "Variables Influencing Industrial Funding of Academic Research in Italy: an Empirical Analysis" (with G. Bruno), *International Journal of Technology Management*, 2003
 21. "The Intensity of Competition After Patent Expiry in Pharmaceuticals. A Cross-Country Analysis", (with L. Magazzini and F. Pammolli), *Revue d'Economie Industrielle*, 2002.
 22. "Innovation and Market Structure in the Dynamics of the Pharmaceutical Industry and Biotechnology: Towards a History-Friendly Model" (with F. Malerba), *Industrial and Corporate Change*, 2002.
 23. "History-Friendly Models: An Overview of the case of the Computer Industry", (with F. Malerba, R. Nelson and S. Winter), *Journal of Artificial Societies and Social Simulation*, 2001.
 24. "The Persistence of Innovative Activities: A Cross-Country and Cross-Sectors Comparative Analysis" (with E. Cefis), *Research Policy*, 2001
 25. "The (failed?) development of a biotechnology cluster. The case of Lombardy", *Small Business Economics*, 2001.
 26. "Technological Change and the Dynamics of Networks of Collaborative Relations. The Case of the Bio-pharmaceutical Industry", (with F. Pammolli and M. Riccaboni), *Research Policy*, 2001
 27. "Competition and industrial policies in a "history-friendly" model of the evolution of the computer industry" (with F. Malerba, R. Nelson and S. Winter), *International Journal of Industrial Organization*, 2000.
 28. "Knowledge, Innovative Activities and Industry Evolution" (with F. Malerba), *Industrial*

- and Corporate Change*, Special Issue on "The Codification of Knowledge" (eds: P. Cohendet and W.E. Steinmueller), 2000.
29. "Technological regimes and Schumpeterian patterns of innovation" (with S. Breschi and F. Malerba), *The Economic Journal*, April, 2000
 30. "A History-Friendly Model of the Evolution of the Computer Industry", (with F. Malerba, R. Nelson and S. Winter), *Industrial and Corporate Change*, 1999.
 31. "The evolution of the forms of organization of innovative activities in biotechnology" (with P. Barbanti e A. Gambardella), in *International Journal of Biotechnology*, 1999.
 32. "Technological Entry, Exit and Survival" (with F. Malerba), *Research Policy*, 1999.
 33. "The Dynamics of Knowledge and the Evolution of an Industry Network, (with Fabio Pammolli, Andrea Bonaccorsi, Massimo Riccaboni and G. Turchetti), *Journal of Management and Governance*, 1998.
 34. " Technological Persistence and Heterogeneity of Innovative Activities, Sectoral Patterns of Innovation and International Specialization" (with F. Malerba and P. Peretto), *The International Journal of Industrial Organization*, 1997.
 35. "Technological Regimes and Sectoral Patterns of Innovative Activities" (with F. Malerba), *Industrial and Corporate Change, Special Issue on Technological Regimes and the Evolution of Industrial Structures"*, edited by G. Dosi, F. Malerba and L. Orsenigo, 1997.
 36. "Industrial Dynamics: Stylized Facts, Empirical Evidence and Theoretical Interpretations" (with G. Dosi and F.Malerba), *Industrial and Corporate Change, Special Issue on Technological Regimes and the Evolution of Industrial Structures"*, edited by G. Dosi, F. Malerba and L. Orsenigo, 1997.
 37. "Special Issue on Technological Regimes, Industrial Demography and the Evolution of Industrial Structures", *Industrial and Corporate Change*, edited by G. Dosi, F. Malerba and L. Orsenigo, 1997.
 38. "Technological regimes, patterns of innovative activities and industrial dynamics. A survey of empirical evidence and of some theoretical models", *Cahiers de Economie et Sociologie Rurale*, 1996.
 39. "The Dynamics and Evolution of Industries" (with F. Malerba), *Industrial and Corporate Change*, Vol.5, n.1, 1996.
 40. "Schumpeterian patterns of innovation are technology-specific" (with F. Malerba), *Research Policy*, 1996.
 41. "Choice and action" (with D. Lane, F. Malerba and R. Maxfield), *The Journal of Evolutionary Economics*, 1995.
 42. "Technological Regimes, Selection and Market Structures", (with G. Dosi, O. Marsili, R. Salvatore), *Small Business Economics*, 1995.
 43. "Schumpeterian patterns of innovation", (with F. Malerba), *Cambridge Journal of Economics*, 1995.
 44. "Scientific gatekeepers and industrial development in biotechnology", (with N. Buratti and A. Gambardella), *Biotechnology Review*, Special Issue of *The International Journal of Technology Management*, 1993.
 45. "Technological Regimes and Firm Behaviour", (with F. Malerba), *Industrial and Corporate Change*, 1993.
 46. "The evolution of strategy and structure of a state-owned company: the case of Agip Petroli (1960-1990)", (with G. Sapelli and P. Toninelli), *Business and Economic History*, 1992.
 47. "Innovation, Diversity and Diffusion : A Self-Organisation Model", (with G. Silverberg and G. Dosi), *The Economic Journal*, Vol. 98, December 1988.

Refereed Chapters

- I. "Pharmaceuticals", in M. Augier and D. Teece (eds.), *The Palgrave Encyclopedia for*

- Strategic Management”, Macmillan, London, 2013.
2. “IPRs, Public Health and the Pharmaceutical Industry. Issues in the Post-2005 TRIPS agenda” (with B. Coriat), in M. Cimoli, G. Dosi, K.E. Maskus, R. L. Okediji and J. H. Reichman, “Intellectual Property Rights: Legal and Economic Challenges for Development”, Initiative for Policy Dialogue, Oxford, Oxford University Press, 2013
 3. “IPRs, technological and industrial development and growth: the case of the pharmaceutical industry”, (with F. Laforgia and F. Montobbio), in N. Netanel (ed.) “*The Development Agenda: Global Intellectual Property and Developing Countries*”, Oxford University Press, 2008
 4. “Innovate or Die? A critical review of the literature on innovation and performance, (with S. Brusoni and E. Cefis), in Y. Cassis and A. Colli (eds), *Business Performance in the 20th Century: A Comparative Perspective*, Cambridge University Press, Cambridge, UK, 2008, forthcoming
 5. “History Friendly” Models of Industrial Evolution”, in H. Hanusch and A. Pyka (eds.) *The Elgar Companion to Neo-Schumpeterian Economics*, Elgar, Cheltenham, 2007
 6. “Clusters and Clustering in Biotechnology: Stylised Facts, Issues and Theories. From Clusters to network structures and their dynamics”, in P. Braunerhjelm and M. Feldman (eds.), “*The Genesis of Clusters of Innovation*”, Oxford, Oxford University Press, 2006.
 7. “A history-friendly model of innovation, market structure and regulation in the age of random screening in the pharmaceutical industry” (with F. Malerba), in C. Antonelli, D. Foray, B. H. Hall and W.E. Steinmueller (eds.), “*New Frontiers in the Economics of Innovation and New Technology. Essays in Honour of Paul A. David*”, Edward Elgar, Cheltenham, 2006
 8. “The Dynamics of Knowledge Accumulation, Regulation and Appropriability in the Pharma-Biotech Sector: Policy Issues”, (with G. Dosi and M. Mazzucato), in G. Dosi and M. Mazzucato (eds.), *Knowledge Accumulation and Industry Evolution. The Case of Pharma-Biotech*”, Oxford University Press, Cambridge, Cambridge University Press, 2006
 9. “Entry, Market Structure and Innovation in a History-Friendly Model of the Evolution of the Pharmaceutical Industry”, (with C. Garavaglia and F. Malerba), in G. Dosi and M. Mazzucato (eds.), *Knowledge Accumulation and Industry Evolution. The Case of Pharma-Biotech*”, Oxford University Press, Cambridge, Cambridge University Press, 2006
 10. “Heterogeneity in Firms’ Growth in the Pharmaceutical Industry” (with E. Cefis and M. Ciccarelli), in G. Dosi and M. Mazzucato (eds.), *Knowledge Accumulation and Industry Evolution. The Case of Pharma-Biotech*”, Cambridge, Cambridge University Press, 2006
 11. “Changing Boundaries of firms in the evolution of the computer industry: towards a history-friendly model” (with F. Malerba, R. Nelson and S. Winter), in M. McKelvey and M. Holmen (eds.) *Flexibility and Stability in the Evolving Economy*, Oxford University Press, 2005.
 12. “Reflections and Ways Forward”, (with H. Kettler e M. McKelvey), in M. McKelvey, A. Rickne and J.L. Hellman, *The Economic Dynamics of Modern Biotechnology*, Edward Elgar, London, 2005.
 13. “Pharmaceuticals Analyzed through the Lens of a Sectoral Innovation System” (with M. McKelvey and F. Pammolli), in F. Malerba (ed.), *Sectoral Systems of Innovation*, Cambridge University Press, Cambridge, 2004.
 14. “Technology and the Economy” (with G. Dosi and M. Sylos Labini), in N. Smelser and R. Swedberg, *Handbook of Economic Sociology*, Cambridge (Mass.), Russell Sage , 2004
 15. “Firm Capabilities, Competition and Industrial Policies in a History-Friendly Model of the Computer Industry “ (with F. Malerba, R. Nelson and S. Winter), in C. Helfat (ed.) “*The SMS Blackwell Handbook of Organizational Capabilities. Emergence, Development and Change*”, , Blackwell, Oxford, 2003.
 16. “A behavioral and evolutionary model of the dynamics of the computer industry” (with F. Malerba, R. Nelson and S. Winter), in M. Augier and J. March (eds.) *The Economics of*

- Choice, Change and Organization. Essays in honour of R.Cyert*, Edward Elgar London 2001.
17. "Product Diversification in a "History-Friendly Model of the Evolution of the Computer Industry", (with Franco Malerba, Richard Nelson, and Sidney Winter), in E. Larsen and A. Lomi (eds.), "*Simulating organizational societies.*", Cambridge (Ma.), MIT Press, 2001.
 18. "The Determinants of Research Productivity in Pharmaceuticals and Biotechnology: Implications for Public Policies (with I. Cockburn, R. Henderson and G. Pisano), paper prepared for the STEP Board Conference on Technological and Non-technological Factors in Industry Performance, Washington D.C., 19997; D. Mowery (ed.), *The Competitive Renaissance of the US Industry*, Washington DC, The National Academy, 2000
 19. "The Pharmaceutical Industry and the Revolution in Molecular Biology: Exploring the Interactions Between Scientific, Institutional and Organizational Change" (with R. Henderson and G. Pisano), in *The Sources of Industrial Leadership*, edited by D. Mowery and R. Nelson, Cambridge, Cambridge University Press, 1999.
 20. "Technological Entry and Diversification in Europe, the USA and Japan: 1978-91, (with F. Malerba), in A. Gambardella and F. Malerba F.(ed) *The organisation of innovative activities in Europe*, Cambridge, Cambridge University Press, 1999.
 21. "Innovative learning and institutions in the process of development: on the microfoundations of growth regimes", (with F. Chiaromonte and G. Dosi), in R. Thompson (ed.), *Learning and Technological Change*, London, Macmillan, 1993.
 22. "Microeconomic dynamics and macro regularities: an "evolutionary" approach to technological and institutional change", (with F. Coricelli e G. Dosi), in *Technology and Productivity. The Challenge for Economic Policy*, OECD, Paris, 1991.
 23. "Technological Regimes and Patterns of Innovation: A Theoretical and Empirical Investigation of the Italian Case", (with F. Malerba), in M. Perlman and A. Heertje (eds.), *"Evolving Technology and Market Structure"*, Ann Arbor, Michigan University Press, 1990.
 24. "Coordination and Transformation: An Overview of Structures, Behaviour and Change in Evolutionary Environments", (with G.Dosi) ,in G. Dosi, C. Freeman, R. Nelson, L. Soete and G. Silverberg (eds.) *"Technical Change and Economic Theory."*, Frances Pinter, London,1988.
 25. "Industrial Structure and Technical Change", (with G. Dosi), in A. Heertje (ed.) *"Technology, Innovation and Finance"*, Oxford, Basil Blackwell, 1988; translations in Italian, French, German and Spanish.

Other Chapters

1. "History Friendly Models of Industrial Evolution: An Overview", in P. De Gijsel and H. Schenk, "*Multidisciplinary Economics*", Springer, Dordrecht, The Netherlands, 2005
2. " Organizational Innovation and Organization of Innovative Activities in a Global Economy: the impact on competitiveness and growth", in Rubenson, K. and Schuetze H. (eds.), "Transition to the knowledge society", University of British Columbia Press, 1999.
3. "Technological innovation and international competitiveness in Italy" (with F. Malerba), in J. Molero (eds.) *Technological Innovation, Multinational Corporations and New International Competitiveness*, London, Harwood, 1995.
4. "Macrodynamics and Microfoundations: an Evolutionary Perspective", (with G. Dosi), in O. Grandstand (ed.), *Economics of Technology*, Amsterdam, North Holland, 1994.
5. "Evolutionary Regimes and Industrial Dynamics" (with G. Dosi and F. Malerba), in L. Magnusson (ed.) *Evolutionary Approaches to Economics*, London, Kluwer, 1993.
6. "Archipelago Europe - Islands of Innovation. The case of Italy", in Commission of the European Communities, FAST - MONITOR Project, FOP 243, Prospective Dossier N.1: Science, Technology and Economic Cohesion in the Community, Vol. 20-21, Bruxelles,

1991; published in U. Hilpert and D. Hickie (eds). *Archipelago Europe. The Islands of Innovation in Europe*, London, Routledge, 1993.

7. "The dynamics of competition in a science-based technology: the case of biotechnology", in D. Foray and C. Freeman (eds.), *Technology and Competitiveness. The dynamics of created advantages*, London, Pinter Publishers, 1992.
8. "State Policies on Techno-Industrial Innovation in Weaker Economies. The Case of Biotechnology in Britain and Italy", (with W. Faulkner), in U. Hilpert (ed.) *"State Policy and Techno- Industrial Innovation"*, London, Routledge, 1991.

Recent International Reports

1. "*Developing Competitive Firms and Industries in Global Markets: An Examination of the Experience of Successful Economies*", paper commissioned by the Competition Policy Panel Review, Industry Canada, 2008
2. "*Industrial Biotechnology in Europe*" (with Agnes Allansdottir, Andrea Bonaccorsi, Alfonso Gambardella, Myriam Mariani, Fabio Pammolli, Massimo Riccaboni), Paper commissioned by the European Commission, DG Enterprise as background paper for the Competitiveness Report 2001.
3. "*Global Competitiveness in Pharmaceuticals. A European perspective*", (with A. Gambardella and F. Pammolli), November 2000, Report Prepared for the Directorate General Enterprise of the European Commission

PUBLICATIONS IN OTHER LANGUAGES

Books

1. "*Tra continuità e cambiamento. La storia dell'Agip Petroli*" (with G. Sapelli and P. Toninelli), Bologna, Il Mulino, 1993.

Refereed Journals

1. "Biotechnologies et industrie pharmaceutique. Un modèle évolutionnaire conforme à l'histoire, (with F. Malerba), *Revue del'OFCE*, 2006
2. "Modelli "history-friendly" della evoluzione industriale, *Imprese e Storia*, 31, gennaio-giugno 2005
3. "Los "modelos amistosos de la historia" en el analisis de la evolucion de las industria: objetivos y aplicaciones", *Informacion Comercial Espanola*", 2004
4. "Modelli History friendly della evoluzione delle industrie: il caso dell'industria dei computer" (con F. Malerba), *Economia e Politica Industriale*, 2001
5. "Mente e società: soluzione di problemi e organizzazioni", (with C. Delaini, A. Legrenzi e L. Marengo), *Sistemi Intelligenti*, 2000,
6. "Competenze tecnologiche nei settori ad alta tecnologia, (with F. Malerba), Centro Studi Confindustria, *CSC Ricerche*, n. 112, Roma, 1995.
7. "Tecnologie emergenti e politica industriale in Italia", (with P.Adams), *Rivista Trimestrale*

Other Journals

1. "Regularidades en las actividades de innovacion: una investigacion preliminar para cuatro paises europeos", *Ekonomiaz*, 1992.
2. "Concorrenza e collaborazione tra imprese nel processo innovativo: il caso della biotecnologia", *L'impresa*, no. 4, 1989.
3. "Modelli di diffusione dell'innovazione", *Politica ed Economia*", Agosto 1987.

Chapters

1. "Prefazione" in F.M. Lombardi and F. Squazzoni (eds.), "*Saggi di economia evolutiva*", Franco Angeli, Milano, 2005
2. "Le relazioni università-industria in Italia (con E. Cancogni), in "*Conoscenza tecnologica. Nuovi paradigmi dell'innovazione e specificità italiana*" (a cura di C. Antonelli), Edizioni Fondazione Agnelli, Torino, 1999.
3. "Le biotecnologie in Italia: una occasione perduta?" (con A. Gambardella), in Bussolati, c., Malerba, F. e Torrìsi, S. *Evoluzione industriale e alta tecnologia in Italia: entrata tempestiva, declino e opportunita' di ricupero*, Il Mulino, Bologna, 1996.
4. "Tra gerarchie politiche e mercati: il caso delle imprese a partecipazioni statali in Italia (acciaio e petrolio)" (con M. Balconi e P. Toninelli), in *Gerarchie, potere, mercato*, a cura di M. Magatti, Bologna, Il Mulino, 1995.
5. "L'accumulazione delle capacita' tecnologiche nell'industria italiana (19869-84)", (con F. Malerba), in "*Innovazione tecnologica e servizi alle imprese*", a cura di C. Filippini, F. Angeli, Milano, 1992.
6. "La competitivita' tecnologica internazionale dell'industria italiana negli anni ottanta" (con F. Malerba e G. Antonel), in Ministero del Commercio Estero e Istituto Nazionale per il Commercio estero, *Conferenza nazionale sul commercio estero. L'internazionalizzazione dell'impresa*, Atti, Vol. II, Roma, 1992.
7. "L' evoluzione dell'industria chimica italiana negli anni '80" (with G. Mussati e A. Soru); "La piccola e media industria chimica in Italia: i risultati dell'indagine" (con A. Soru); "Le grandi multinazionali chimiche in Italia", (con A. Soru), in CeRIC-Federchimica, *Struttura, risultati e problemi dell'industria chimica in Italia*, Milano, SC Sviluppo Chimica, 1991.
8. "Teoria evolutiva e innovazione industriale: gli anni '80" (with F. Malerba), in *Innovazione tecnologica e teoria economica*, a cura di M. Amendola, Bologna, Il Mulino, 1990.
9. "Processi di formazione di nuove imprese e dinamica industriale: uno schema di riferimento concettuale", (with Marco Vivarelli), in *Alle origini dell'imprenditorialita'*, a cura di G. Mussati, Milano, Etas Kompass, 1990.
10. "Crescita del terziario per l'industria, processi di esternalizzazione e innovazione", in "*Il settore dei servizi nella societa' e nell'economia italiana. Matrice 1970-1988*", a cura di R.Fiori e F. Stellatelli, Milano, CESDIT, 1989.
11. "Processi innovativi nelle piccole e medie imprese", in *Tecnologia: collaborare e' d'obbligo*, a cura di G. Mussati, Confindustria, Comitato Nazionale Piccola Industria, Sipi, Roma, 1989.
12. "I pattern di sviluppo della biotecnologia: il quadro di riferimento internazionale nei primi anni '80", in *Industria italiana e alte tecnologie*" a cura di F. Onida e R. Malaman, Milano, F. Angeli, 1989.

13. "La riforma del credito agevolato" (con P.Ranci e G. Verga) in *"Evoluzione della struttura finanziaria, ruolo degli Istituti di credito a medio e lungo termine e tendenze del credito agevolato"*, a cura di P. Ranci, Assireme, Milano 1983.
14. "Il finanziamento delle piccole e medie imprese" in *"Evoluzione della struttura finanziaria, ruolo degli Istituti di credito a medio e lungo termine e tendenze del credito agevolato"*, a cura di P. Ranci, Assireme, Milano 1983.
15. "Il finanziamento delle imprese nella programmazione dei flussi finanziari", in *La programmazione dei flussi finanziari*, a cura di G. Vaciago, Il Mulino, Bologna, 1983.

3. 7. 2014

Luigi Orzi

4. INFORMATIVA AI SENSI DEL D. LGS. 196/03

(COMPILARE I CAMPI IN MANIERA LEGGIBILE)

Cognome Orsenigo _____ Nome Luigi

Luogo e data di nascita Milano, 26/09/1954

Cittadinanza Italiana

Domicilio Via Marchiondi 3, 20122 Milano

Indirizzo Via Marchiondi 3, 20122 Milano

Attività principale esercitata Professore Universitario

Codice Fiscale RSNLGU54P26F205W

Desideriamo informarLa che, al solo fine di gestire il rapporto contrattuale tra Lei e l'Agenzia nazionale per l'attrazione degli investimenti e lo sviluppo d'impresa S.p.A. (in seguito denominata Agenzia), trattiamo dati che riguardano Lei (ed i suoi familiari), la cui conoscenza, pur non essendo obbligatoria, si rende necessaria per dar corso al contratto che ci lega.

Le nostre procedure interne prevedono che i dati siano raccolti in archivi cartacei ed informatici secondo le modalità strettamente necessarie alle indicate finalità.

I dati che La riguardano vengono trattati per le seguenti finalità:

- (a) Finalità connesse e strumentali alle attività professionali e di consulenza svolte a favore della Società
- (b) Finalità connesse a obblighi di legge, regolamenti, normative nazionali e comunitarie e disposizioni di autorità amministrative.

Il conferimento di questi dati pur non essendo obbligatorio è necessario per attivare il rapporto di collaborazione e l'eventuale rifiuto non consentirà l'attivazione del rapporto giuridico.

In particolare, i dati che La riguardano sono costituite da anagrafiche, codice fiscale o numero di partita IVA, sede societaria, numero telefonico e di fax, indirizzo di posta elettronica, tutti da considerarsi come dati comuni.

(Solo in caso di trattamento di dati sensibili) Potremmo utilizzare dati che il D.Lgs. 196/03 qualifica come sensibili per il perseguimento delle medesime finalità sopra indicate. In tal caso La preghiamo di voler esprimere il Suo consenso.

I suoi dati potranno essere comunicati, per le finalità di cui sopra, ad alcuni soggetti che intervengono nel nostro processo aziendale (ad es. banche): tale trasmissione si rende necessaria per poter gestire il rapporto contrattuale in essere, ma non necessita di alcun consenso da parte Sua.

L'elenco dettagliato di detti soggetti è disponibile presso la sede dell'Agenzia via Calabria, 46 - 00187 Roma.

Le informazioni che La riguardano potranno, altresì, essere utilizzate da dipendenti dell'Agenzia, che ricoprono la qualifica di Responsabili o di Incaricati del trattamento, per il compimento delle operazioni connesse alla finalità sopra descritte.

La comunicazione dei suoi dati potrà essere effettuata esclusivamente per l'adempimento di obblighi di legge o per finalità contabili nonché per dar corso al rapporto contrattuale in essere.

I predetti dati non saranno diffusi né sarà comunque effettuato alcun trasferimento all'estero salvo quanto previsto dall'art. 18 D.L. 22 giugno 2012 n. 83 conv. con modificazioni nella L. n. 134 del 7 agosto 2012.

In ogni momento Lei si potrà rivolgere all'Agenzia, Titolare del trattamento, con sede in Roma alla Via Calabria n. 46 e, in particolare, al Responsabile per la gestione delle istanze degli interessati al medesimo indirizzo sopra riportato o all'indirizzo di posta elettronica centrodiicompenezaprivacy@invitalia.it per esercitare i diritti di cui all' art. 7 del D.Lgs. 196/03 quali il diritto di accesso, di opposizione, di integrazione.

L'elenco aggiornato dei Responsabili del trattamento può essere conosciuto in modo agevole tramite sito web.

(Solo in caso di trattamento di dati sensibili)

Preso atto dell'informativa rilasciatami

CONCEDO X

NON CONCEDO

Il consenso per il trattamento dei miei dati sensibili, ai sensi dell'art. 4, comma I lett. d) del D.Lgs 196/03, per le finalità sopra indicate.

Data 2.7.2014

Firma

